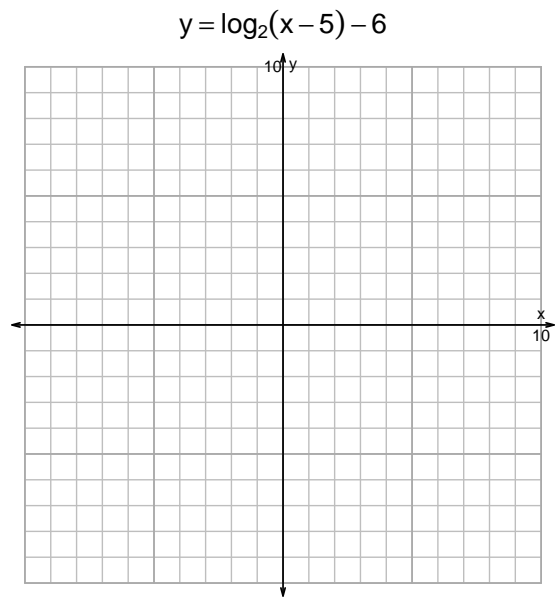
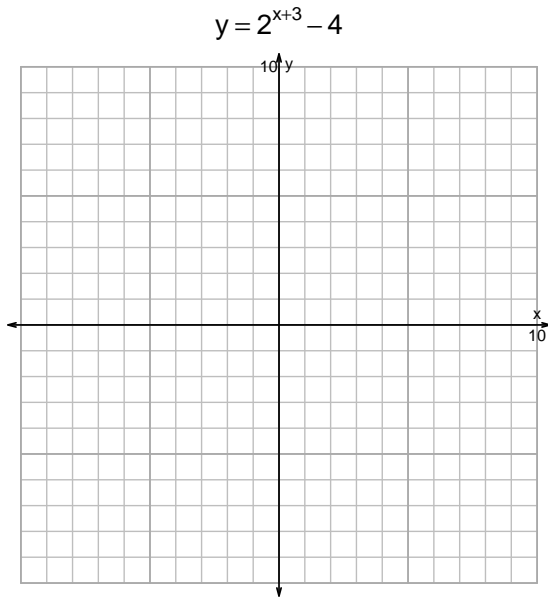


Name: _____

Date: _____

s18QUIZ: EXP LOG (QUIZ v284)

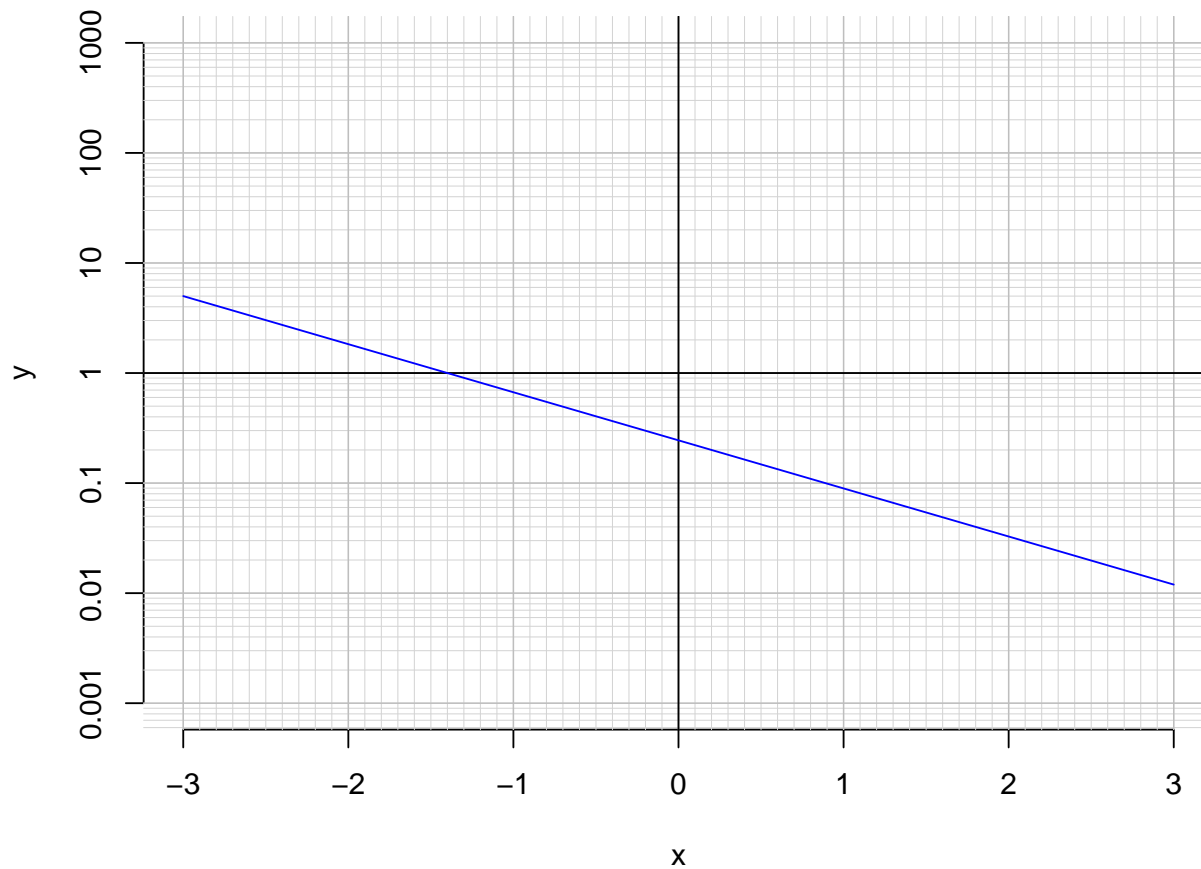
1. Graph $y = 2^{x+3} - 4$ and $y = \log_2(x - 5) - 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$11 = \left(\frac{4}{5}\right) \cdot 2^{3t/7}$$

3. An exponential function $f(x) = 0.245 \cdot e^{-1.01x}$ is graphed below on a semi-log plot.



- a. Using the plot above, evaluate $f(1.8)$.
- b. Express $f^{-1}(x)$, the inverse of f .
- c. Using the plot above, evaluate $f^{-1}(0.2)$.